



Date of Application, 27th Feb., 1893

Complete Specification Left, 27th Nov., 1893—Accepted, 30th Dec., 1893

PROVISIONAL SPECIFICATION.

Public Urinals for Females.

I, CASIMIR VICTOR DORiot of 72 Boulevard Magenta Paris in the Republic of France, Contractor, do hereby declare the nature of the said invention to be as follows :—

For some long time attempts have been made to provide for females in large towns and cities conveniences which are at present only provided for men.

That which has retarded up to the present time the establishment of public and free urinals for females is that the problem presents several difficulties which have never been solved in a satisfactory manner.

Amongst these difficulties, the first refers to good manners, the second to that of freedom from payment and, intimately connected with the first, appeared altogether incapable of solution, in this sense, that if it were proposed to establish free urinals, it was indispensable to employ in connection with them, to secure proper conduct, a female attendant, charged, amongst other duties, with closing these urinals at a certain hour of the night for reasons which will be readily understood.

Although the problem therefore appears difficult as above indicated, I believe nevertheless that I have solved it in a very satisfactory manner, by devising urinals provided with the following characteristics.

1. My urinal, which will occupy no more space than urinals for men, will be so arranged that it can serve solely as a urinal.

2. I will establish a female attendant receiving a very small salary, who will be either a newsvendor, a flower seller, &c.

3. This female attendant will be charged with watching over the cleanliness of the urinal, with its care, from the point of view of good manners and with its closure after the theatres close, for example.

4. With the small salary of the attendant and the price for advertising which I intend to apply to my urinals, I shall be able to realise a fair return on the cost of establishment and to supply towns with free urinals for females.

After the above description I desire by the present application to secure the entire and exclusive right to the system of urinals for women which fulfils the conditions above enumerated and which will be readily understood by the following description aided by reference to the accompanying drawings in which

Figure 1. represents in elevation, my system of urinals for females.

Figure 2. shows in sectional plan drawn on a horizontal plane the same urinal.

Figure 3. represents a vertical section of the pan or basin separately.

Figure 4. shows separately the arrangement which I employ to prevent the opening of the door at the side when the compartment is occupied.

As will be seen in the drawings my system of public free urinals, has externally the form of a chalet or kiosk. It is composed of a certain number of panels *a*, of marble, sheet iron, wood or other suitable material, up to a certain height and the others of glass for example, can receive advertisements which will be lighted up at night by gas jets in the interior of the kiosk.

In front, is arranged in the interior of the kiosk the table *b* for the attendant newsvendor, flower seller &c. who can deliver the goods by the front panel *c* which is open for this purpose.

This urinal has two entrances *d, d*, one to the right, the other to the left of the attendant. These entrances communicate with the same lobby *e* divided into two by a door *f* articulated at *g* to be capable of movement to the right or left and afford access to one or the other of the two compartments *h, h*, of my urinal.

[*Price 8d.*]

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The door *f*, which I apply for this purpose in the interior of my urinal, is articulated at *g* as above stated, it is further suspended by a friction roller *i* whose periphery *j* fits a rail *k*, with two inclines arranged in directions reverse to each other as shown at Figure 4.

This arrangement has for its object to bring the door back to the middle of the lobby after it has been moved to the right or to the left. 5

The articulation of the door is effected on hinges shaped with helical inclines, so that the vertical displacements of the incline are effected squarely.

With this door, to enter in the right compartment, for example, it is necessary to push to the left and reciprocally, as the distance, which the door leaves when at rest, 10 between itself and the side *l* of the lobby is too narrow for the passage of a person. This opening always enables the attendant to survey the urinal.

To close either or both compartments when they are occupied, I have furnished the door with the following arrangement.

In each compartment is placed a foot board or stand *m*, on which the person 15 stands to discharge urine.

This foot board is articulated at *n* and is articulated at the opposite side to a rod *O*, which at its upper end is articulated to a lever *p* so as to rock said lever, which latter is articulated at *q*. This lever is terminated by a stop *r* which in rising prevents the roller *i* from running along the incline opposite to that of the com- 20 partment occupied. When the two compartments are occupied at the same time, the roller is keyed or secured by the two stops *r*, so that the door cannot be moved either to the right nor to the left, so long as the persons have not descended from their footboards *m*.

In order that the occupants can only discharge urine I arrange a pan or basin *r**, 25 in front of the foot board *m*, which has by preference the form represented in the drawings at Figures 2 and 3. For this purpose this pan or basin, furnished with a water shoot *n*, for cleaning, is covered by a kind of ridge roof *s*, which also prevents the clothes of the females from being soaked with the water in the basin.

Lastly the said basin is prolonged under the footboard *m*, by a gutter *t*, which 30 communicates with a discharge conduit covered or not by a kind of trap or strainer.

The compartments being thus arranged, when a person enters, she places herself, without turning round on the footboard *m*, and, consequently faces the roof of the basin which is hollowed out at *u* for greater convenience. 35

An indicator plate operated by connections from the door can be arranged to indicate that such or such a compartment is or is not occupied.

The floor of each compartment inclines towards the centre so that it is parallel to the line of suspension of the door. Where the two inclined floors meet is a rectangular orifice to carry off the water used to clean the place. 40

The urinal is shut, for example, after the theatres close by means of a corrugated or revolving shutter which rolls up in the cornice *v*, when the urinal is opened.

Finally a small verandah *x*, placed above the front panel protects the counter of the attendant from rain &c. 45

An inscription very visible and luminous during the night will indicate that the urinal is public, free and only for the use of females.

Sometimes it is desirable to modify the shape of these urinals.

1st. When one is to be placed along a wall.

2nd. On the edge of a narrow footpath. 50

Figure 5. of the drawing represents in plan the arrangement of a urinal for women when it is required to be constructed against a wall, for example.

Figure 6, shows a urinal for women such as I propose to construct for application on a footpath for example.

As shown in the drawing, Figure 5, when my urinals are placed against a wall or 55 in the yard of a railway station I arrange the compartments all in a line with each other as is the case in those provided for men.

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In this case, the two central compartments a^1 , a^1 , are side by side, but separated by a partition b^1 .

In each wing of the urinal are arranged the two compartments c^1 , a^1 , to which access is given by a single door d^1 , arranged and operated exactly as stated
5 above.

With this arrangement of the compartments in line, the female attendant placed at A, can overlook the two wings at the same time. The two doors e^1 , e^1 , of her compartment shut back at the right and left as shown by the dotted line f^1 in the drawing.

10 In order to shut the two entrances to the compartments of the wings, a screen of several shutters or divisions may be employed which the female attendant arranges laterally as indicated by the dotted lines g^1 .

This screen is made up of a certain number of plates of sheet iron, which when the urinal is opened are arranged parallel to each other behind the attendant's
15 compartment.

But the two entrances E of the compartments can also be closed by means of a shutter which rolls up in the cornice.

As shown in Figure 6, in order to have a urinal of a smaller diameter only a single compartment is employed, the door d^1 of which is always immovable when
20 this compartment is occupied as described above.

The place A for the attendant presents an opening at h^1 which permits of her overlooking the urinal.

With this arrangement in order to close the urinal a lateral and concentric shutter is employed which the attendant draws across the entrance.

25 When the urinal is open this shutter shuts back on the inside against the circular enclosure.

The object of the present invention is therefore to establish conveniences for females to serve only as urinals, but I reserve the right of applying thereto water-closets, either in one or both of the two compartments.

30 It will be well understood that the shape, details, materials and dimensions of this system of urinal may be varied at will without in any way changing the nature of the invention.

Dated this 27th day of February 1893.

C. V. DORIOT,

35 By Harris & Mills,
23, Southampton Buildings, London, W.C., Agents.

COMPLETE SPECIFICATION.

Public Urinals for Females.

I, CASIMIR VICTOR DORIOT, of 72 Boulevard Magenta, Paris, in the Republic
40 of France, Contractor, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

For some long time attempts have been made to provide for females in large towns and cities, conveniences which are at present only provided for men.

45 That which has retarded up to the present time the establishment of free public urinals for females is, that the problem presents several difficulties which have never been solved in a satisfactory manner.

Amongst these difficulties, the first rests on the question of good manners; the second, on that of freedom from payment, and, being intimately connected with
50 the first, appeared altogether incapable of solution in this sense, that if it were proposed to establish free urinals, it was indispensable to employ in connection with them, to secure proper conduct, a female attendant charged, amongst other duties, with closing these urinals at a certain hour of the night for reasons which will be readily understood.

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Although the problem therefore appears difficult, as above indicated, I believe nevertheless that I have solved it in a very satisfactory manner by devising urinals having the following characteristics.

1. My urinal, which will occupy no more space than urinals for men, will be so arranged that it can serve solely as a urinal. 5

2. I will establish a female attendant receiving a very small salary, who will be either a newsvendor, a flower seller, &c.

3. This female attendant will be charged with watching over the cleanliness of the urinal, with its superintendence from the point of view of good manners, and with its closure, after the time of exit from the theatres for example. 10

4. With the small salary of the attendant and the price for advertising which I intend to apply to my urinals, I shall be able to realize a fair return on the cost of establishment and to supply towns with free urinals for females.

After the above description I desire, by the present application, to secure the entire and exclusive right to the system of urinals for women which fulfils the conditions above enumerated and which will be readily understood by the following description aided by reference to the drawings accompanying my Provisional Specification, in which :— 15

Fig. 1 represents, in elevation, my system of urinals for females.

Fig. 2 shows, in sectional plan drawn on a horizontal plane, the same urinal. 20

Fig. 3 represents a vertical section of the pan or basin separately.

Fig. 4 shows separately the arrangement which I employ to prevent the opening of the door on the side on which the compartment is occupied.

As will be seen in the drawings, my system of free public urinal has externally the form of a chalet or kiosk. It is composed of a certain number of panels *a* of marble, sheet iron, wood or other suitable material up to a certain height, and the others, of glass for example, can receive advertisements, which will be lighted up at night by gas jets in the interior of the kiosk. 25

In front is arranged, in the interior of the kiosk, the table *b* for the attendant newsvendor, flower seller, &c., who can deliver the goods by the front panel *c*, which is open for this purpose. 30

This urinal has two entrances *d d*, one to the right, the other to the left of the attendant. These entrances communicate with a common lobby *e* divided into two by a door *f* articulated at *g* to be capable of movement to the right or left and afford access to one or the other of the two compartments *h h* of my urinal. 35

The door *f*, which I apply for this purpose in the interior of my urinal, is articulated at *g*, as above stated ; it is further suspended by a friction roller *i* whose periphery *j* fits a rail *k* with two inclines arranged in directions reverse to each other, as shown at Fig. 4.

This arrangement has for its object to bring the door back to the middle of the lobby after it has been moved to the right or to the left. 40

The articulation of the door is effected on hinges shaped with helical inclines, so that the vertical displacements of the incline are effected squarely or truly.

With this door, to enter in the right compartment, for example, it is necessary to push it to the left and reciprocally, as the space which the door leaves free when at rest, between itself and the side *l* of the lobby, is too narrow for the passage of a person. This opening always enables the attendant to survey the urinal. 45

To close either or both compartments when they are occupied, I have furnished the door with the following arrangement. 50

In each compartment is placed a foot-board or stand *m*, on which the person stands to discharge urine. This foot-board is articulated at *n* and is jointed at the opposite side to a rod *o*, which, at its upper end, is articulated to a lever *p*, so as to rock said lever, which latter is articulated at *q*. This lever is terminated by a stop *r*, which, in rising, prevents the roller *i* from running along the incline opposite to that of the compartment occupied. When the two compartments are occupied at the same time, the roller is keyed or secured by the two stops *r*, 55

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so that the door cannot be moved either to the right or to the left, so long as the persons have not descended from their foot-boards *m*.

In order that the occupants can only discharge urine, I arrange a pan or basin *r** in front of the footboard *m*, which has by preference the form represented in the drawings at Figs. 2 and 3. For this purpose this pan or basin, furnished with a water shoot *n** for cleaning, is covered by a kind of ridge roof *s*, which also prevents the clothes of the females from being soaked with the water in the basin. Lastly, the said basin is prolonged under the footboard *m* by a gutter *t*, which communicates with a discharge conduit covered or not by a kind of trap or strainer.

The compartments being thus arranged, when a person enters, she places herself, without turning round, on the footboard *m*, and consequently faces the roof of the basin, which is hollowed out at *u* for greater convenience.

An indicator plate operated by connections from the door, can be arranged to indicate that such or such a compartment is or is not occupied.

The floor of each compartment inclines towards the centre, so that it is parallel to the line of suspension of the door. Where the two inclined floors meet is a rectangular discharge orifice to carry off the water used in cleaning the place.

The urinal is shut, for example, after the theatres close by means of a corrugated or revolving shutter, which rolls up in the cornice *v* when the urinal is opened.

Finally, a small verandah *x*, placed above the front panel, protects the counter of the attendant from rain, &c.

An inscription, very visible and luminous during the night, will indicate that the urinal is public, free and only for the use of females.

Sometimes it is desirable to modify the shape of these urinals.

1st. When one is to be placed along a wall.

2nd. When on the edge of a narrow foot-path.

Fig. 5 of the drawings represents in plan the arrangement of a urinal for women when it is required to be constructed against a wall, for example.

Fig. 6 shows a urinal for women such as I propose to construct for application on a foot-path, for example.

As shown in the drawings at Fig. 5, when my urinals are placed against a wall or in the yard of a railway station, I arrange the compartments all in a line with each other, as is the case in those provided for men. In this case the two central compartments *a*¹ *a*¹ are side by side but separated by a partition *b*¹. In each wing of the urinal are arranged the two compartments *c*¹ *a*¹, to which access is given by a single door *d*¹ arranged and operated exactly as stated above. With this arrangement of the compartments in line, the female attendant placed at A can overlook the two wings at the same time. The two doors *e*¹ *e*¹ of her compartment shut back at the right and left, as shown by the dotted line *f*¹ in the drawing. In order to shut the two entrances to the compartments of the wings, a screen of several shutters or divisions may be employed, which the female attendant arranges laterally as indicated by the dotted lines *g*¹. This screen is made up of a certain number of plates of sheet iron, which, when the urinal is opened, are arranged parallel to each other behind the attendant's compartment. But the two entrances E of the compartments can also be closed by means of a shutter which rolls up in the cornice.

As shown in Fig. 6, in order to have a urinal of a smaller diameter, only a single compartment is employed, the door *d*¹ of which is always immovable when this compartment is occupied, as described above. The place A for the attendant is provided with an opening at *h*¹, which permits of her overlooking the urinal.

With this arrangement, in order to close the urinal, a lateral and concentric shutter is employed, which the attendant draws across the entrance. When the urinal is open, this shutter shuts back on the inside against the circular enclosure.

The object of the present invention therefore is to establish conveniences for females to serve only as urinals, but I reserve the right of applying thereto water-closets either in one or both of the two compartments.

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It will be well understood that the shape, details, materials and dimensions of this system of urinal may be varied at will without in any way changing the nature of the invention.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is :—

1. In public urinals for females, the general arrangement and combination of parts, substantially as herein shown and described and for the purpose stated.
2. In public urinals for females, the combination of a lobby and of a door capable of being opened to the right or to the left as desired to permit of entrance into the two compartments of my system of urinal, this door being arranged, combined and suspended from a rail forming two opposite inclined surfaces, so that the door is automatically replaced in the centre of the lobby, substantially as herein shown and described and for the purpose stated. 10
3. In public urinals for females, the combination with the door, of the arrangement shown and described which prevents the opening of the door leading into any of the compartments in use, by means of the footboard upon which the person is obliged to place herself when using the urinal. 15
4. In public urinals for females, the system of basin characterised by its combination with a kind of roof or cover which protects the garments of the females from the water in the basin and at the same time prevents the apparatus from being used except as a urinal, substantially as herein shown and described. 20

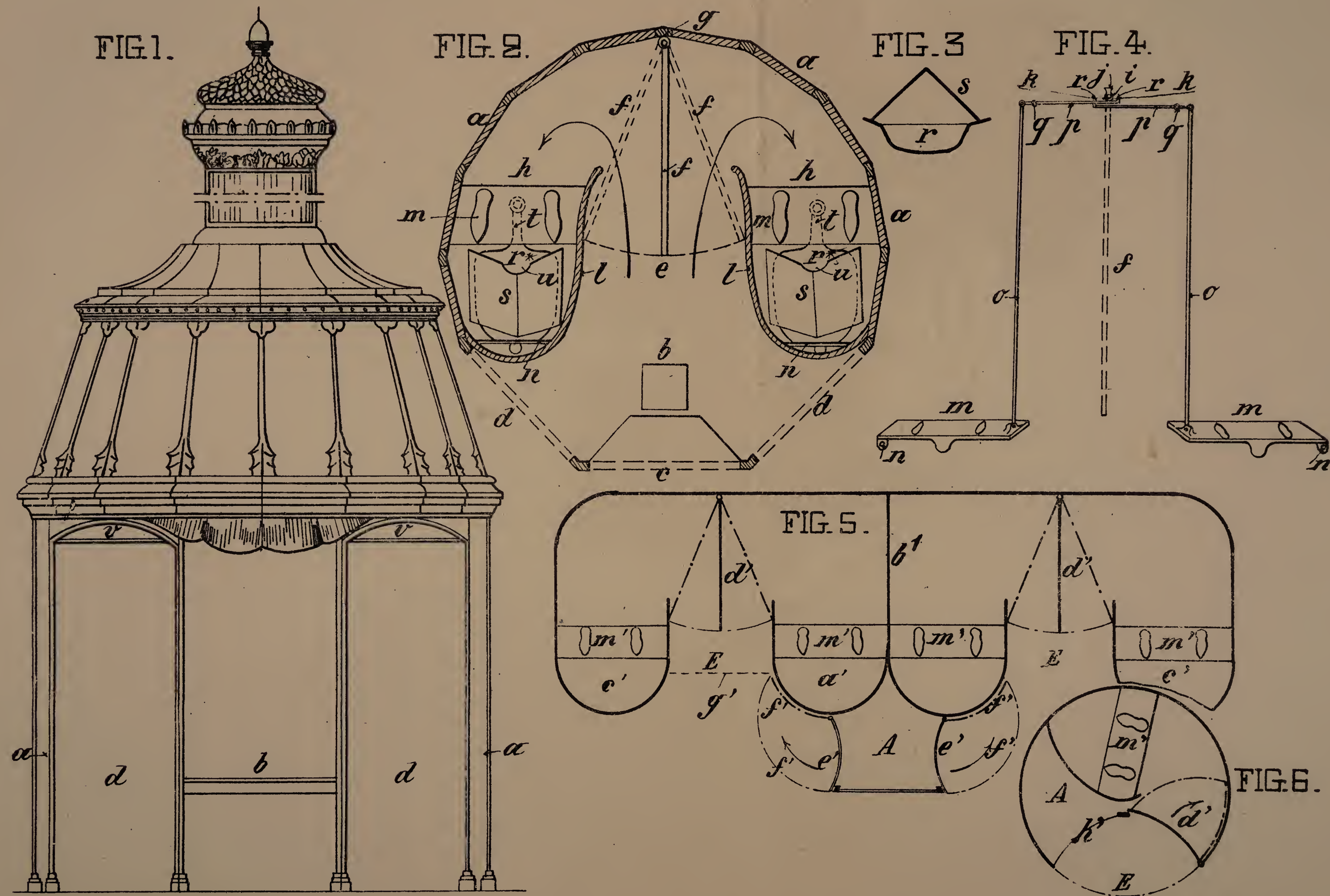
Dated this 27th day of November 1893.

C. V. DORIOT,

By Harris & Mills,
23, Southampton Buildings, London, W.C., Agents. 25

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[This Drawing is a reproduction of the Original on a reduced scale.]

